BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains at Nagenahalli SC/ST Colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No. 01		Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work .							
Measurements Taken On :									
		New Drain							
		Harohalli colony							
		Temple Road							
0	14.4		Cum	1	14.40	1.40	1.20	24.19	
14.4	18.2		Cum	1	3.80	1.40	1.20	6.38	
18.2	33.2		Cum	1	15.00	1.40	1.20	25.20	
33.2	48.2		Cum	1	15.00	1.40	1.20	25.20	
48.2	63.2		Cum	1	15.00	1.40	1.20	25.20	
63.2	76.7		Cum	1	13.50	1.40	1.20	22.68	
76.7	91.7		Cum	1	15.00	1.40	1.20	25.20	
91.7	96.5		Cum	1	4.80	1.40	1.20	8.06	
96.5	111.7		Cum	1	15.20	1.40	1.00	21.28	
111.7	120.5		Cum	1	8.80	1.40	1.00	12.32	
120.5	135.5		Cum	1	15.00	1.40	1.00	21.00	
135.5	149.2		Cum	1	13.70	1.40	1.00	19.18	
149.2	164.2		Cum	1	15.00	1.40	1.00	21.00	
164.2	176.2		Cum	1	12.00	1.40	1.00	16.80	
176.2	191.2		Cum	1	15.00	1.40	1.00	21.00	
191.2	203.4		Cum	1	12.20	1.40	1.00	17.08	
203.4	218.4		Cum	1	15.00	1.40	1.00	21.00	
218.4	224.3		Cum	1	5.90	1.40	1.00	8.26	
224.3	228.7		Cum	1	4.40	1.40	1.00	6.16	
228.7	243.7		Cum	1	15.00	1.40	1.00	21.00	
243.7	257.8		Cum	1	14.10	1.40	0.90	17.77	
		Cross Road							
		Left Side							
0	15		Cum	1	15.00	1.20	0.90	16.20	
15	16.9		Cum	1	1.90	1.20	0.90	2.05	
16.9	31.9		Cum	1	15.00	1.20	0.90	16.20	
31.9	46.9		Cum	1	15.00	1.20	0.90	16.20	
46.9	61.9		Cum	1	15.00	1.20	0.90	16.20	
61.9	76.9		Cum	1	15.00	1.20	0.90	16.20	C & FC

CIVIL Pro Sig Date BANGALORE

Contactor RMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains at Nagenahalli SC/ST Colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
76.9	85.9		Cum	1	9.00	1.20	0.90	9.72	
		Right Side							
0	15		Cum	1	15.00	1.20	0.90	16.20	
15	30.3		Cum	1	15.30	1.20	0.90	16.52	
30.3	41.3		Cum	1	11.00	1.20	0.90	11.88	
41.3	57		Cum	1	15.70	1.20	0.90	16.96	
		5thA Cross School Opposite							
0	15		Cum	1	15.00	1.20	1.10	19.80	
15	24.5		Cum	1	9.50	1.20	1.10	12.54	
24.5	39.5		Cum	1	15.00	1.20	1.10	19.80	
39.5	54.8		Cum	1	15.30	1.20	1.10	20.20	
54.8	69.8		Cum	1	15.00	1.20	1.00	18.00	
69.8	84.8		Cum	1	15.00	1.20	1.00	18.00	
84.8	98.5		Cum	1	13.70	1.20	0.95	15.62	
		5thA Cross School Opposite							
0	3.3		Cum	1	3.30	1.20	1.00	3.96	
		Bekary Opposite							
0	14		Cum	1	14.00	1.00	1.00	14.00	
		Cross Road							
		Left Side							
0	15		Cum	1	15.00	1.20	1.20	21.60	
15	24.7		Cum	1	9.70	1.20	1.20	13.97	
24.7	39.7		Cum	1	15.00	1.20	1.10	19.80	
39.7	50.1		Cum	1	10.40	1.20	1.10	13.73	
		Right Side							
0	15		Cum	1	15.00	1.10	1.00	16.50	
15	30		Cum	1	15.00	1.10	1.00	16.50	
30	45		Cum	1	15.00	1.10	1.00	16.50	
45	58		Cum	1	13.00	1.10	1.00	14.30	
		Cross Road							
		Right Side							
0	15		Cum	1	15.00	1.20	1.00	18.00	
15	32		Cum	1	17.00	1.20	1.00	20.40	
32	37.6		Cum	1	5.60	1.20	1.00	6.72	
		Cross Road							
		Left Side							
0	15		Cum	1	15.00	1.20	1.00	18.00	
15	30		Cum	1	15.00	1.20	1.00	18.00	

Contactor PMC Assistant Engineer 11/11/19 Assistant Executive Engineer 11/11/19

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains at Nagenahalli SC/ST Colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
30	40		Cum	1	10.00	1.20	1.00	12.00	
		Right Side							
0	15		Cum	1	15.00	1.20	1.00	18.00	
15	30		Cum	1	15.00	1.20	1.00	18.00	
30	40.3		Cum	1	10.30	1.20	1.00	12.36	
		Cross Road							
		Left Side							
0	15		Cum	1	15.00	1.20	1.00	18.00	
15	30		Cum	1	15.00	1.20	1.00	18.00	
30	34		Cum	1	4.00	1.20	1.00	4.80	
		Right Side							
0	15		Cum	1	15.00	1.10	1.00	16.50	
15	30		Cum	1	15.00	1.10	1.00	16.50	
30	37.1		Cum	1	7.10	1.10	1.00	7.81	
		Over Burden							
			Cum	1	14.00	0.80	0.30	3.36	
		Culvert							
		Harohalli colony							
		Temple Road							
			Cum	1	4.90	1.60	1.00	7.84	
			Cum	1	3.80	1.60	1.00	6.08	
			Cum	1	6.80	1.60	1.00	10.88	
		Cross Road							
			Cum	1	7.40	1.60	1.00	11.84	
			Cum	1	6.40	1.60	1.00	10.24	
			Cum	1	10.40	1.60	1.00	16.64	C&F =
							TOTAL	1105.08	

CIVIL Pro Sig Date BANGALORE

Contactor PMC 11/11/19 Assistant Engineer 11/11/19 Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains at Nagenahalli SC/ST Colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.02		Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work .							
Measurements Taken On :		14/11/19							
		Harohalli colony							
		Temple Road							
0	14.4		Cum	1	14.40	1.40	0.15	3.02	
14.4	18.2		Cum	1	3.80	1.40	0.15	0.80	
18.2	33.2		Cum	1	15.00	1.40	0.15	3.15	
33.2	48.2		Cum	1	15.00	1.40	0.15	3.15	
48.2	63.2		Cum	1	15.00	1.40	0.15	3.15	
63.2	76.7		Cum	1	13.50	1.40	0.15	2.84	
76.7	91.7		Cum	1	15.00	1.40	0.15	3.15	
91.7	96.5		Cum	1	4.80	1.40	0.15	1.01	
96.5	111.7		Cum	1	15.20	1.40	0.15	3.19	
111.7	120.5		Cum	1	8.80	1.40	0.15	1.85	
120.5	135.5		Cum	1	15.00	1.40	0.15	3.15	
135.5	149.2		Cum	1	13.70	1.40	0.15	2.88	
149.2	164.2		Cum	1	15.00	1.40	0.15	3.15	
164.2	176.2		Cum	1	12.00	1.40	0.15	2.52	
176.2	191.2		Cum	1	15.00	1.40	0.15	3.15	
191.2	203.4		Cum	1	12.20	1.40	0.15	2.56	
203.4	218.4		Cum	1	15.00	1.40	0.15	3.15	
218.4	224.3		Cum	1	5.90	1.40	0.15	1.24	
224.3	228.7		Cum	1	4.40	1.40	0.15	0.92	
228.7	243.7		Cum	1	15.00	1.40	0.15	3.15	
243.7	257.8		Cum	1	14.10	1.40	0.15	2.96	
		Cross Road							
		Left Side							
0	15		Cum	1	15.00	1.20	0.15	2.70	
15	16.9		Cum	1	1.90	1.20	0.15	0.34	
16.9	31.9		Cum	1	15.00	1.20	0.15	2.70	
31.9	46.9		Cum	1	15.00	1.20	0.15	2.70	
46.9	61.9		Cum	1	15.00	1.20	0.15	2.70	

Contactor

PMC

Assistant Engineer 14/11/19

Assistant Executive Engineer 14/11/19

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains at Nagenahalli SC/ST Colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
61.9	76.9		Cum	1	15.00	1.20	0.15	2.70	
76.9	85.9		Cum	1	9.00	1.20	0.15	1.62	
		Right Side							
0	15		Cum	1	15.00	1.20	0.15	2.70	
15	30.3		Cum	1	15.30	1.20	0.15	2.75	
30.3	41.3		Cum	1	11.00	1.20	0.15	1.98	
41.3	57		Cum	1	15.70	1.20	0.15	2.83	
		5thA Cross School Opposite							
0	15		Cum	1	15.00	1.20	0.15	2.70	
15	24.5		Cum	1	9.50	1.20	0.15	1.71	
24.5	39.5		Cum	1	15.00	1.20	0.15	2.70	
39.5	54.8		Cum	1	15.30	1.20	0.15	2.75	
54.8	69.8		Cum	1	15.00	1.20	0.15	2.70	
69.8	84.8		Cum	1	15.00	1.20	0.15	2.70	
84.8	98.5		Cum	1	13.70	1.20	0.15	2.47	
		5thA Cross School Opposite							
0	3.3		Cum	1	3.30	1.20	0.15	0.59	
		Bekary Opposite							
0	14		Cum	1	14.00	1.00	0.15	2.10	
		Cross Road							
		Left Side							
0	15		Cum	1	15.00	1.20	0.15	2.70	
15	24.7		Cum	1	9.70	1.20	0.15	1.75	
24.7	39.7		Cum	1	15.00	1.20	0.15	2.70	
39.7	50.1		Cum	1	10.40	1.20	0.15	1.87	
		Right Side							
0	15		Cum	1	15.00	1.10	0.15	2.48	
15	30		Cum	1	15.00	1.10	0.15	2.48	
30	45		Cum	1	15.00	1.10	0.15	2.48	
45	58		Cum	1	13.00	1.10	0.15	2.15	
		Cross Road							
		Right Side							
0	15		Cum	1	15.00	1.20	0.15	2.70	
15	32		Cum	1	17.00	1.20	0.15	3.06	
32	37.6		Cum	1	5.60	1.20	0.15	1.01	
		Cross Road							
		Left Side							
0	15		Cum	1	15.00	1.20	0.15	2.70	

Contactor

PMC

Assistant Engineer 14/11/19

Assistant Executive Engineer 14/11/19

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains at Nagenahalli SC/ST Colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
15	30		Cum	1	15.00	1.20	0.15	2.70	
30	40		Cum	1	10.00	1.20	0.15	1.80	
		Right Side							
0	15		Cum	1	15.00	1.20	0.15	2.70	
15	30		Cum	1	15.00	1.20	0.15	2.70	
30	40.3		Cum	1	10.30	1.20	0.15	1.85	
		Cross Road							
		Left Side							
0	15		Cum	1	15.00	1.20	0.15	2.70	
15	30		Cum	1	15.00	1.20	0.15	2.70	
30	34		Cum	1	4.00	1.20	0.15	0.72	
		Right Side							
0	15		Cum	1	15.00	1.10	0.15	2.48	
15	30		Cum	1	15.00	1.10	0.15	2.48	
30	37.1		Cum	1	7.10	1.10	0.15	1.17	
		Over Burden							
		Culvert							
		Harohalli colony							
		Temple Road							
			Cum	1	4.90	1.60	0.15	1.18	
			Cum	1	3.80	1.60	0.15	0.91	
			Cum	1	6.80	1.60	0.15	1.63	
		Cross Road							
			Cum	1	7.40	1.60	0.15	1.78	
			Cum	1	6.40	1.60	0.15	1.54	
			Cum	1	10.40	1.60	0.15	2.50	
		For Kerb Stone							
		Harohalli colony							
		Temple Road							
0	14.4		Cum	1	14.40	0.20	0.15	0.43	
14.4	18.2		Cum	1	3.80	0.20	0.15	0.11	
18.2	33.2		Cum	1	15.00	0.20	0.15	0.45	
33.2	48.2		Cum	1	15.00	0.20	0.15	0.45	
48.2	63.2		Cum	1	15.00	0.20	0.15	0.45	
63.2	76.7		Cum	1	13.50	0.20	0.15	0.41	
76.7	91.7		Cum	1	15.00	0.20	0.15	0.45	
91.7	96.5		Cum	1	4.80	0.20	0.15	0.14	
96.5	111.7		Cum	1	15.20	0.20	0.15	0.46	
111.7	120.5		Cum	1	8.80	0.20	0.15	0.26	
120.5	135.5		Cum	1	15.00	0.20	0.15	0.45	

CKFC

Contactor

CNHL Pro Sig Date BANGALORE

PMC

14/11/19

Assistant Engineer

14/11/19

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains at Nagenahalli SC/ST Colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
135.5	149.2		Cum	1	13.70	0.20	0.15	0.41	
149.2	164.2		Cum	1	15.00	0.20	0.15	0.45	
164.2	176.2		Cum	1	12.00	0.20	0.15	0.36	
176.2	191.2		Cum	1	15.00	0.20	0.15	0.45	
191.2	203.4		Cum	1	12.20	0.20	0.15	0.37	
203.4	218.4		Cum	1	15.00	0.20	0.15	0.45	
218.4	224.3		Cum	1	5.90	0.20	0.15	0.18	
224.3	228.7		Cum	1	4.40	0.20	0.15	0.13	
228.7	243.7		Cum	1	15.00	0.20	0.15	0.45	
243.7	251.9		Cum	1	8.20	0.20	0.15	0.25	
							TOTAL	169.42	

Contactor

CIVIL Pro Sig Date PMC BANGALORE

14/11/19
Assistant Engineer

14/11/19
Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains at Nagenahalli SC/ST Colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.04		Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work .							
Measurements Taken On :		15/11/19							
		for Drain 70 kg	Tonne	From calculation sheet				21.42	
		for Culvert 100kg	Tonne	From calculation sheet				2.06	
							TOTAL	23.49	

Contactor

PMC

Assistant Engineer 15/11/19

Assistant Executive Engineer 15/11/19

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains at Nagenahalli SC/ST Colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

STEEL CALCULATION

Sl NO	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	Item no.04	**Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.**							
	Measurements Taken On :								
	Harohalli colony								
	Temple Road								
	Main Bars (#12@120 c/c)	1	12	2149	2149	3.40	7307.73	0.887814	6487.91
	Distribution(10-#8)	1	8	10	10	257.80	2578.00	0.394584	1017.24
	Cross Road								
	LHS								
	Main Bars (#12@120 c/c)	1	12	717	717	2.30	1648.72	0.887814	1463.75
	Distribution(10-#8)	1	8	10	10	85.90	859.00	0.394584	338.95
	RHS								
	Main Bars (#12@120 c/c)	1	12	476	476	2.40	1142.40	0.887814	1014.24
	Distribution(10-#8)	1	8	10	10	57.00	570.00	0.394584	224.91
	5thA Cross School Opposite								
	Main Bars (#12@140 c/c)	1	12	705	705	3.00	2113.71	0.887814	1876.59
	Distribution(10-#8)	1	8	10	10	98.50	985.00	0.394584	388.67
	5thA Cross School Opposite								
	Main Bars (#12@140 c/c)	1	12	25	25	2.50	61.43	0.887814	54.54
	Distribution(9-#8)	1	8	9	9	3.30	29.70	0.394584	11.72
	Bekary Opposite								
	Main Bars (#12@140 c/c)	1	12	101	101	2.50	252.50	0.887814	224.17
	Distribution(9-#8)	1	8	9	9	14.00	126.00	0.394584	49.72
	Cross Road								
	LHS								
	Main Bars (#12@140 c/c)	1	12	359	359	3.10	1112.46	0.887814	987.66
	Distribution(9-#8)	1	8	9	9	50.10	450.90	0.394584	177.92
	RHS								

Contractor

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PMC

Assistant Engineer 15/11/19

Assistant Executive Engineer 15/11/19

	Main Bars (#12@140 c/c)	1	12	415	415	2.60	1079.74	0.887814	958.61
	Distribution(9-#8)	1	8	9	9	58.00	522.00	0.394584	205.97
	Cross Road								
	RHS								
	Main Bars (#12@140 c/c)	1	12	270	270	2.60	700.89	0.887814	622.26
	Distribution(9-#8)	1	8	9	9	37.60	338.40	0.394584	133.53
	Cross Road								
	LHS								
	Main Bars (#12@140 c/c)	1	12	287	287	2.60	745.46	0.887814	661.83
	Distribution(9-#8)	1	8	9	9	40.00	360.00	0.394584	142.05
	RHS								
	Main Bars (#12@140 c/c)	1	12	289	289	2.50	722.14	0.887814	641.13
	Distribution(9-#8)	1	8	9	9	40.30	362.70	0.394584	143.12
	Cross Road								
	LHS								
	Main Bars (#12@140 c/c)	1	12	244	244	2.60	634.03	0.887814	562.90
	Distribution(9-#8)	1	8	9	9	34.00	306.00	0.394584	120.74
	RHS								
	Main Bars (#12@140 c/c)	1	12	266	266	2.20	585.20	0.887814	519.55
	Distribution(9-#8)	1	8	9	9	37.10	333.90	0.394584	131.75
	Culvert								
	Harohalli colony								
	Temple Road								
	side wall								
	Main Bars outer face (#16@180 c/c)	2	16	28	56	3.00	169.33	1.578336	267.26
	Main Bars inner face (#16@180 c/c)	2	16	28	56	2.60	146.76	1.578336	231.63
	Distribution								
	side walls(9#10)	4	10	9	36	0.80	28.80	0.616538	17.76
	bottom slab(9-#10)	2	10	9	18	1.40	25.20	0.616538	15.54
	Temple Road								
	side wall								
	Main Bars outer face (#16@180 c/c)	2	16	22	44	3.00	132.67	1.578336	209.39
	Main Bars inner face (#16@180 c/c)	2	16	22	44	2.60	114.98	1.578336	181.47
	Distribution								
	side walls(9#10)	4	10	9	36	0.80	28.80	0.616538	17.76
	bottom slab(9-#10)	2	10	9	18	1.40	25.20	0.616538	15.54
	Temple Road								
	LHS								
	side wall								
	Main Bars outer face (#16@170 c/c)	2	16	41	82	3.00	246.00	1.578336	388.27
	Main Bars inner face (#16@170 c/c)	2	16	41	82	2.60	213.20	1.578336	336.50
	Distribution								

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15/11/19 Assistant Engineer

15/11/19 Assistant Executive Engineer

side walls(8#10)	4	10	8	32	0.80	25.60	0.616538	15.78
bottom slab(8-#10)	2	10	8	16	1.40	22.40	0.616538	13.81
Cross Road								
side wall								
Main Bars outer face (#16@180 c/c)	2	16	42	84	3.00	252.67	1.578336	398.79
Main Bars inner face (#16@180 c/c)	2	16	42	84	2.60	218.98	1.578336	345.62
Distribution								
side walls(8#10)	4	10	8	32	0.80	25.60	0.616538	15.78
bottom slab(8-#10)	2	10	8	16	1.40	22.40	0.616538	13.81
Cross Road								
side wall								
Main Bars outer face (#16@170 c/c)	2	16	39	77	3.00	231.88	1.578336	365.99
Main Bars inner face (#16@170 c/c)	2	16	39	77	2.60	200.96	1.578336	317.19
Distribution								
side walls(9#10)	4	10	9	36	0.80	28.80	0.616538	17.76
bottom slab(9-#10)	2	10	9	18	1.40	25.20	0.616538	15.54
Cross Road								
RHS								
side wall								
Main Bars outer face (#16@170 c/c)	2	16	62	124	3.00	373.06	1.578336	588.81
Main Bars inner face (#16@170 c/c)	2	16	62	124	2.60	323.32	1.578336	510.30
Distribution								
side walls(9#10)	4	10	9	36	0.80	28.80	0.616538	17.76
bottom slab(9-#10)	2	10	9	18	1.40	25.20	0.616538	15.54
							TOTAL QTY IN KG'S	**23495.00**
							TOTAL QTY IN TONNE	**23.49**

Contractor

PMC

Assistant Engineer

15/11/19

Assistant Executive Engineer

15/11/19